

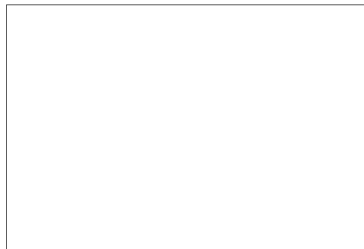
~~TOP SECRET~~



**PHOTOGRAPHIC  
INTERPRETATION  
REPORT**

**NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER**

**AIRFIELD CONSTRUCTION IN THE MIDDLE EAST  
JUNE 1967 TO JULY 1970**



25X1

~~TOP SECRET~~

25X1

SEPTEMBER 1970

COPY NO 117

8 PAGES

PIR-060/70

GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

**Page Denied**

**TOP SECRET RUFF**

25X1

**AIRFIELD CONSTRUCTION IN THE MIDDLE EAST  
JUNE 1967 to JULY 1970**

**SUMMARY**

1. Since the Arab-Israeli war of June 1967, the Middle Eastern states have undertaken an extensive airfield construction program, the status of which has been reported from time to time from KEYHOLE photography. This report, which is derived exclusively from KEYHOLE photography, updates Airfield Construction in the Middle East, June 1967 to September 1969.

25X1  
25X1

2. The states of the Middle East have continued to construct new airfields and airstrips, to improve existing fields, and to construct hangarages at most major airfields. In Egypt, dummy hangarages were identified for the first time and an increase in large aircraft revetments was observed. Large aircraft revetments were also identified for the first time outside of Egypt.

**NEW AND IMPROVED AIRFIELDS**

3. Since September 1969, Egypt has constructed four new airfields, bringing the Egyptian construction total since June 1967 to 14 new airfields, one reconstructed airfield, and two new highway airstrips. In Syria, one new airstrip has been constructed since September 1969, for a total since June 1967 of three new airstrips, two new airfields, and three reconstructed airfields. No new construction has been noted in Jordan since the last reporting period; three new airfields and one new airstrip have been constructed there since June 1967. In Iraq, five new dispersal airstrips have been identified since September 1969, bringing the total in that country since June 1967 to five new airfields, 25 new dispersal airstrips, and one reconstructed airfield. No new airfields have been identified in Israel during this reporting period. Since June 1967 one new airfield has been constructed in Israel in addition to the four major Egyptian airfields acquired through the occupation of the Sinai.

4. The airfield improvement program also continued during the September 1969 - July 1970 reporting period, and, in the case of Syria, it accelerated. During this period, new runways were constructed or existing runways were extended at four airfields in Egypt, six in Syria, two in Iraq, and four in Israel. This brings the total numbers of airfields improved since June 1967 to 18 in Egypt, seven in Syria, three in Jordan, 14 in Iraq,

25X1

**TOP SECRET RUFF**

25X1

**Page Denied**

25X1

25X1

25X1

25X1

$$\begin{array}{r} 25 \times 1 \\ - 25 \times 1 \\ \hline 25 \times 1 \end{array}$$

25X1

**Page Denied**

Table 2. Hangarette Construction June 1967 - July 1970

Table 2. Hangarette Construction June 1967 - July 1970

Item	Airfield	BE Number	Hangarettes		Number of Bays	Item	Airfield	BE Number	Hangarettes		Number of Bays
			New Since Sep 69	Total Since Jun 67					New Since Sep 69	Total Since Jun 67	
EGYPT											
1	Mersa Matruh		8	8	Single						
2	Saiyah El Shrif		7	7	Large revetments						
3	Al Rahmaniya			14	Single						
				12 (8)*	Single						
4	Jiyanklis New			4 (1)	Double						
				14 (10)	Single						
				10	Double						
5	Al Mansurah			3	Large shelters						
				31 (8)	Single						
		1		7	Double						
				1	Triple						
6	Birma	12		18 (6)	Single						
		4		6 (2)	Double						
7	As Salihiyah	7		18 (13)	Single						
				1	Double						
8	Wadi Natrun Northeast	9		24 (4)	Single						
		6		6	Double						
		15		15	Large revetments						
9	Quwaysina			15	Single						
				2	Double						
				2	Triple						
10	Az Zaqaq			16 (7)	Single						
				2	Double						
11	Wadi Natrun South		8	8	Single						
12	Kafr Daud			1	Single						
13	Minshat Sabri Highway Airstrip										
				4	Single						
14	Bilbays 2			3	Large shelters						
15	Bilbays			28 (6)	Single						
			1	8	Dummy						
				3	Double						
				3	Large shelters						
16	Tukh Highway Airstrip			4	Single						
17	Inchas			31 (2)	Single						
				13	Dummy						
18	Abu Suwayr			18 (12)	Single						
19	Cairo West			28 (8)	Single						
				7	Dummy						
				3	Double						
20	Qaha Highway Airstrip		14	14	Large revetments						
21	Cairo Almasa			4	Single						
				27 (14)	Single						
				1	Double						
22	Faid			11 (4)	Single						
				4 (3)	Double						
23	Wadi Al Jandali		4	16	Single						
24	Hulwan			21	Single						
25	Al Fayyum			16 (11)	Single						
				2	Double						
26	Beni Suef			32 (6)	Single						
				1	Double						
		1		4	Large shelters						
		2		8	Single						
27	Wadi Abu Rish		8	8 (4)	Single						
28	Hurghada New			16 (11)	Single						
29	Wadi Abu Shihat		8	8	Single						
30	Luxor		6	16 (2)	Single						
31	Daraw			18 (18)	Single						
				1 (1)	Double						
32	Aswan		7	22 (2)	Single						
				3	Large shelters						
				9	Large revetments						
33	Ras Banas		9	14 (14)	Single						
				1	Double						
LEBANON											
34	Kleiat		4	4	Single						
JORDAN											
56	King Hussein							12	24		Single
57	Prince Hassan							26	39		Single
58	H-4 New								13		Single
59	Ruwayshid								8		Single
60	Azraq							2	8		Single
SUDAN											
61	Mosul								8		Single
62	Kirkuk								10		Single
63	H-3 Northwest								8		Single
64	H-3								12		Double
65	H-3 Southwest								4		Single
66	Habbaniyah								8		Single
67	Habbaniyah Plateau							1	4		Single
68	Rashid								15		Single
69	Al Kut South							12	12		Single
70	Ur Junction							8	8		Single
71	Shaibah							10	14		Single
SUDAN											
72	Wadi Seidna**							13	13		Large revetments

\*Parentheses indicate number of hangarettes with probable protective structures

\*\*Not shown on graphic

**Page Denied**



**TOP SECRET RUFF**25X1  
25X1

5. Figure 1, keyed to Table 1, shows locations of new and improved airfields and airstrips.

#### HANGARETTES, SHELTERS, AND LARGE AIRCRAFT REVETMENTS

6. Since September 1969, 90 hangarettas have been constructed in Egypt, 30 in Syria, 40 in Jordan, and 35 in Iraq. This brings the construction total at Arab airfields since the June 1967 war to 1,004 hangarettas with spaces for 1,108 fighter aircraft.

7. Egypt, the first of the Arab states to begin constructing hangarettas following the war, has built 578 hangarettas with spaces for 638 aircraft. In addition, 28 dummy hangarettas have been identified in Egypt.<sup>1</sup> Egypt has also continued to construct structures in front of hangaretta doors probably designed for protection.<sup>2</sup> One hundred and seventy-eight of these structures have been identified at 19 Egyptian airfields.

8. Syria had 24 single-bay hangarettas prior to the war and has constructed an additional 217 with spaces for 257 aircraft. Iraq has built 113 hangarettas with spaces for 117 aircraft, and Jordan has constructed 92 single-bay hangarettas. Four single-bay hangarettas have recently been identified in Lebanon.

25X1

10. Figure 2, keyed to Table 2, shows the location of hangarettas, probable protective structures, and large aircraft revetments and shelters.

11. A recent development in Egypt has been a significant increase in large aircraft revetments (those capable of accommodating BADGER aircraft). Such revetments have recently been identified at Cairo West, Mersa Matruh, Wadi Natrun Northeast, and Aswan airfields in Egypt, and, for the first time outside the country, at Wadi Seidna Airfield in Sudan (Figure 3). The large revetments are in addition to the previously reported large aircraft shelters which are also capable of accommodating BADGER aircraft. These shelters consist of steel frameworks with canvas or net coverings. As of July 1970 there were 16 large aircraft shelters and 45 large aircraft revetments in Egypt and 13 large revetments in Sudan.

**TOP SECRET RUFF**

25X1

**TOP SECRET RUFF**

25X1  
25X1

REFERENCES

25X1

DOCUMENTS

1. NPIC. [ ] Dummy Hangaretttes in Egypt, Dec 69 (TOP SECRET RUFF) 25X1
2. NPIC. [ ] Airfield Construction in the Middle East, June 1967 to September 1969, Dec 69 (TOP SECRET RUFF) 25X1

NPIC/IEG/WGD/MEAFAB Project 1111110NC

**TOP SECRET RUFF**

25X1

**TOP SECRET**

**TOP SECRET**